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AF/1624

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Response Under 37 CFR §1.116
Expedited Procedure
Examining Group 1624

#10C

CASE 4-30822A

FILING BY "EXPRESS MAIL" UNDER 37 CFR 1.10

EL820014310US	October 15, 2002
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF

IMBACH ET AL.

APPLICATION NO: 09/927,322

FILED: AUGUST 10, 2001

FOR: 2-AMINO-6-ANILINO-PURINES AND THEIR USE AS MEDICAMENTS

Art Unit: 1624

Examiner: Mark Berch

Box AF
Assistant Commissioner for Patents
Washington, D.C. 20231

AMENDMENT AFTER FINAL REJECTION

Sir:

In response to the Office action dated August 8, 2002, response due by November 8, 2002, kindly enter the following amendment.

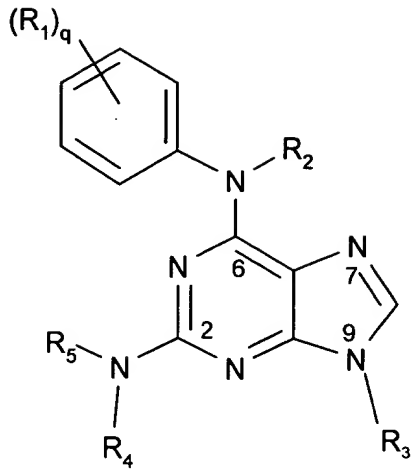
OK to Entr MB 10/02

IN THE ABSTRACT OF THE DISCLOSURE

Kindly replace the abstract with the following:

-- This application discloses 2-amino-6-anilino-purine derivatives of the formula I

C1



(I)

in which

q is 1-5, and

R_1 is

α) $-S(=O)_k-NR_6R_7$, in which

k is 1 or 2,

wherein under the proviso that R_6 and R_7 cannot be simultaneously hydrogen

α1) R_6, R_7 can be identical or different from one another and represent an aliphatic, carbocyclic, heterocyclic, carbocyclic-aliphatic or heterocyclic-aliphatic radical; hydrogen or lower aliphatic acyl; or

α2) R_6 and R_7 together are an alkylene or alkenylene radical having from 3 up to and including 9 C atoms, in which 1-3 C atoms can be replaced by oxygen, sulfur or nitrogen,

β) N-(aryl lower alkyl)carbamoyl, or

γ) a radical of the formula $-NH-S(=O)_i-R_8$, in which

i is 1 or 2,

R_8 is an aliphatic, carbocyclic or heterocyclic radical; or

δ) a radical of the formula $-NH-C(=O)-R_9$,

and the other variable substituents are as defined herein. The inventive compounds inhibit $p34^{cdc2}$/cyclin B^{cdc13} kinase and protein tyrosine kinase $pp60^{c\text{-}src}$ and can be used for treatment of hyperproliferative diseases, for example tumour diseases, and diseases which respond to inhibition of the activity of protein tyrosine kinase $pp60^{c\text{-}src}$; in particular osteoporosis.--